

HYPRO® HI-FLOW SPRAY NOZZLES

140° Wide-Angle, Drift-Reducing Fertilizer Nozzles

Features & Benefits

- Ideal for pre-emerge application of fertilizers
- Excellent for high volume coverage or high speed applications
- 140° pattern ensures unmatched uniformity across the spray boom and throughout the entire pressure range (20-80 psi)
- Wide spray angle (140°) allows for lower spray height to reduce drift or wide nozzle spacing to match existing equipment
- Patented straight-through design reduces clogging and easily fits directly on standard nozzle bodies
- FastCap design adds convenience and protects handlers from residues
- Available in sizes 08 through 60 to achieve the volumes needed to apply crop fertilizer and maintain quality turfgrass



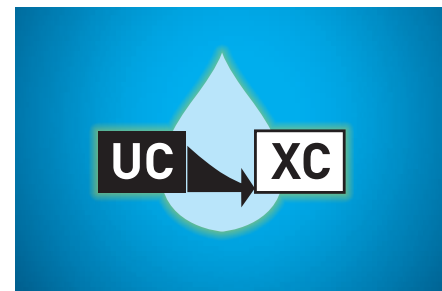
Ideal for:



The 140° pattern ensures unmatched uniformity across the spray boom.



Ideal for pre-emerge application of fertilizers.



Large droplets reduce the risk of drift during fertilizer applications.

HYPRO® HI-FLOW

Specifications

Size	Droplet Size	Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre 20 inch nozzle spacing										GAL/1000*				
				MPH										20 inch nozzle spacing				
				4	5	6	8	10	12	15	20	2	3	4	5			
08	UC	20	0.57	42.3	33.9	28.2	21.2	16.9	14.1	11.3	8.5	1.94	1.30	0.97	0.78			
	UC	30	0.69	51.2	41.0	34.2	25.6	20.5	17.1	13.7	10.2	2.35	1.57	1.18	0.94			
	UC	40	0.80	59.4	47.5	39.6	29.7	23.8	19.8	15.8	11.9	2.73	1.82	1.36	1.09			
	UC	50	0.89	66.3	52.9	44.1	33.0	26.4	22.0	17.6	13.2	3.03	2.02	1.52	1.21			
	XC	60	0.98	72.8	58.2	48.5	36.4	29.1	24.3	19.4	14.6	3.34	2.23	1.67	1.34			
	XC	80	1.06	78.7	63.0	52.5	39.4	31.5	26.2	21.0	15.7	3.61	2.41	1.81	1.45			
10	UC	20	0.71	52.7	42.2	35.1	26.4	21.1	17.6	14.1	10.5	2.42	1.61	1.21	0.97			
	UC	30	0.87	64.6	51.7	43.1	32.3	25.8	21.5	17.2	12.9	2.97	1.98	1.48	1.19			
	UC	40	1.00	74.3	59.4	49.5	37.1	29.7	24.8	19.8	14.9	3.41	2.27	1.71	1.36			
	UC	50	1.12	83.2	66.5	55.4	41.6	33.3	27.7	22.2	16.6	3.82	2.55	1.91	1.53			
	XC	60	1.22	90.6	72.5	60.4	45.3	36.2	30.2	24.2	18.1	4.16	2.77	2.08	1.66			
	XC	80	1.32	98.0	78.4	65.3	49.0	39.2	32.7	26.1	19.6	4.50	3.00	2.25	1.80			
15	UC	20	1.06	78.7	63.0	52.5	39.4	31.5	26.2	21.0	15.7	3.61	2.41	1.81	1.45			
	UC	30	1.30	96.5	77.2	64.4	48.3	38.6	32.2	25.7	19.3	4.43	2.96	2.22	1.77			
	UC	40	1.50	111	89.1	74.3	55.7	44.6	37.1	29.7	22.3	5.12	3.41	2.56	2.05			
	UC	50	1.68	125	99.8	83.2	62.4	49.9	41.6	33.3	24.9	5.73	3.82	2.86	2.29			
	XC	60	1.84	137	109	91.1	68.3	54.6	45.5	36.4	27.3	6.27	4.18	3.14	2.51			
	XC	80	2.12	157	126	105	78.7	63.0	52.5	42.0	31.5	7.23	4.82	3.61	2.89			
20	UC	20	1.41	105	83.8	69.8	52.3	41.9	34.9	27.9	20.9	4.81	3.21	2.40	1.92			
	UC	30	1.73	128	103	85.6	64.2	51.4	42.8	34.3	25.7	5.90	3.93	2.95	2.36			
	UC	40	2.00	149	119	99.0	74.3	59.4	49.5	39.6	29.7	6.82	4.55	3.41	2.73			
	UC	50	2.24	166	133	111	83.2	66.5	55.4	44.4	33.3	7.64	5.09	3.82	3.06			
	XC	60	2.45	182	146	121	91.0	72.8	60.6	48.5	36.4	8.35	5.57	4.18	3.34			
	XC	80	2.65	197	157	131	98.4	78.7	65.6	52.5	39.4	9.04	6.02	4.52	3.61			
30	UC	20	2.12	157	126	105	78.7	63.0	52.5	42.0	31.5	7.23	4.82	3.61	2.89			
	UC	30	2.60	193	154	129	96.5	77.2	64.4	51.5	38.6	8.87	5.91	4.43	3.55			
	UC	40	3.00	223	178	149	111	89.1	74.3	59.4	44.6	10.2	6.82	5.12	4.09			
	UC	50	3.35	249	199	166	124	99.5	82.9	66.3	49.7	11.4	7.62	5.71	4.57			
	XC	60	3.67	272	218	182	136	109	90.8	72.7	54.5	12.5	8.34	6.26	5.01			
	XC	80	3.97	295	236	197	147	118	98.3	78.6	59.0	13.5	9.03	6.77	5.42			
40	UC	20	2.83	210	168	140	105	84.1	70.0	56.0	42.0	9.65	6.43	4.83	3.86			
	UC	30	3.46	257	206	171	128	103	85.6	68.5	51.4	11.8	7.87	5.90	4.72			
	UC	40	4.00	297	238	198	149	119	99.0	79.2	59.4	13.6	9.09	6.82	5.46			
	UC	50	4.47	332	266	221	166	133	111	88.5	66.4	15.2	10.2	7.62	6.10			
	XC	60	4.90	364	291	243	182	146	121	97.0	72.8	16.7	11.1	8.35	6.68			
	XC	80	5.29	393	314	262	196	157	131	105	78.6	18.0	12.0	9.02	7.22			
50	UC	20	3.54	263	210	175	131	105	87.6	70.1	52.6	12.1	8.05	6.04	4.83			
	UC	30	4.33	322	257	214	161	129	107	85.7	64.3	14.8	9.84	7.38	5.91			
	UC	40	5.00	371	297	248	186	149	124	99.0	74.3	17.1	11.4	8.53	6.82			
	UC	50	5.59	415	332	277	208	166	138	111	83.0	19.1	12.7	9.53	7.62			
	XC	60	6.12	454	364	303	227	182	151	121	90.9	20.9	13.9	10.4	8.35			
	XC	80	6.61	491	393	327	245	196	164	131	98.2	22.5	15.0	11.3	9.02			
60	UC	20	4.24	315	252	210	157	126	105	84.0	63.0	14.5	9.64	7.23	5.78			
	UC	30	5.20	386	309	257	193	154	129	103	77.2	17.7	11.8	8.87	7.09			
	UC	40	6.00	446	356	297	223	178	149	119	89.1	20.5	13.6	10.2	8.18			
	UC	50	6.71	498	399	332	249	199	166	133	99.6	22.9	15.3	11.4	9.15			
	XC	60	7.35	546	437	364	273	218	182	146	109	25.1	16.7	12.5	10.0			
	XC	80	7.94	590	472	393	295	236	197	157	118	27.1	18.1	13.5	10.8			

Droplet size based on ASABE S572.1 standard.

Features	
Common Use	Fertilizer
Pattern	Tapered Flat Fan
Technology	Pre-Orifice
Material	Polycetal
Spray Angle	140°
Pressure Range	20-80 PSI
Configuration	FastCap
Part Numbers	
FastCaps 140°	
	HF140-08
	HF140-10
	HF140-15
	HF140-20
	HF140-30
	HF140-40
	HF140-50
	HF140-60
Replacement Cap Gasket	
	65-BS205

Color Code	Classification
XF	Extremely Fine
VF	Very Fine
F	Fine
M	Medium
C	Coarse
VC	Very Coarse
XC	Extremely Coarse
UC	Ultra Coarse



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